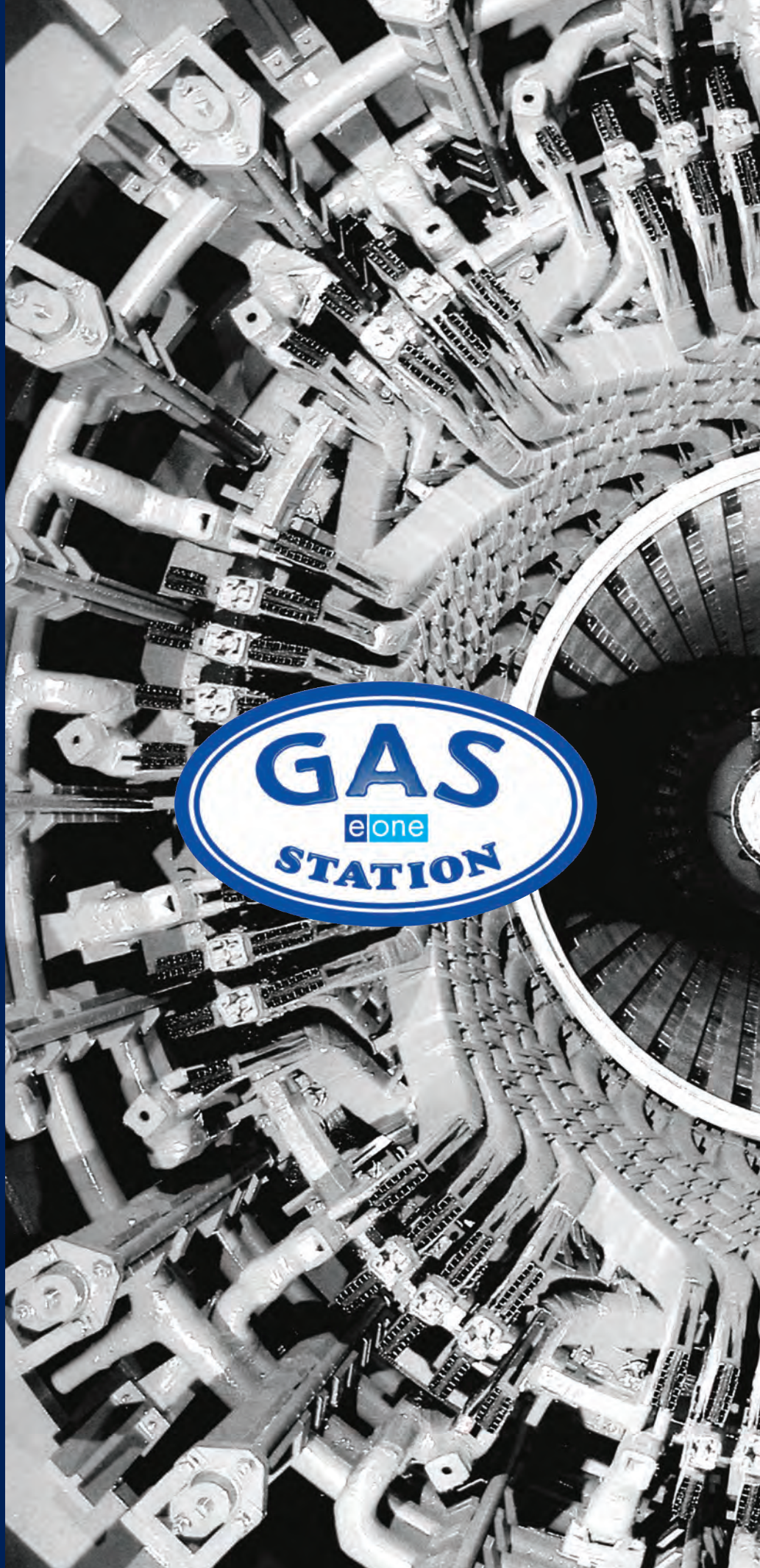


# eone



# GAS STATION: Generating Solutions™

## POWER QUESTION:

How can power producers and generator OEMs get better information sooner to minimize forced outages and maximize performance?

## POWER ANSWER:

**GAS STATION™** is the ultimate integrated platform for gas monitoring and control for hydrogen-cooled turbo generators, both in new power plants and retrofit projects.

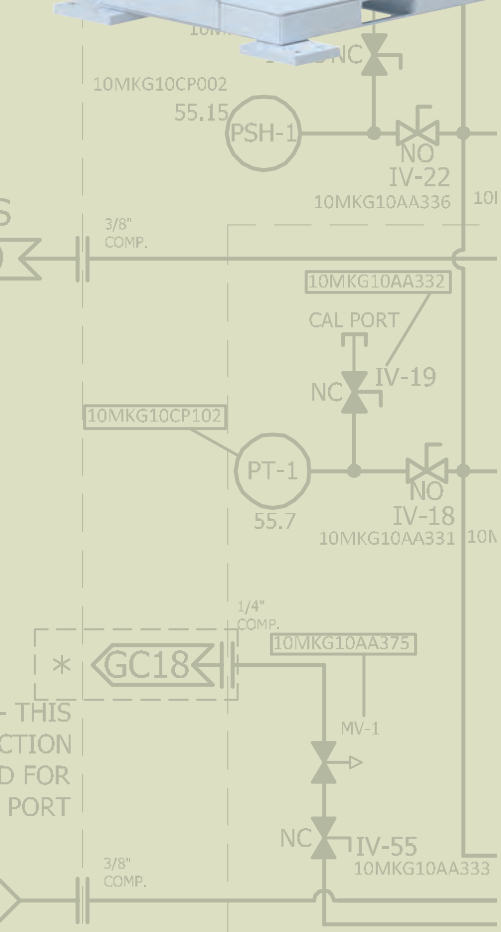
Recognized as the most flexible, cost-efficient system in the industry, GAS STATION ensures the highest measures of security and safety for your people, equipment and production.

A modular monitoring and control skid that can be customized to meet your specific needs and budget parameters, E/One's GAS STATION is scalable and allows for component additions and upgrades as your needs change.



## CHOOSE WITH CONFIDENCE

Environment One, an ISO:9001 accredited company, is a trusted advisor with nearly 50 years of experience monitoring hydrogen- and air-cooled generators.



# SAFETY. EFFICIENCY. RISK MITIGATION.

## COST EFFECTIVE

Power utilities and independent power producers are increasingly concerned with upfront capital expenditures and subsequent engineering and installation costs. GAS STATION offers a cost-effective solution by providing a single, integrated platform to meet your generator auxiliary upgrade needs. The result: simplified mechanical and electrical interface requirements and enables retrofits in the shortest possible time frames with lowest installation costs.

## FULLY CUSTOMIZED SOLUTIONS

Every power plant outage presents a unique schedule and budget challenge for plant management. The GAS STATION is a fully customizable solution to meet specific technical and budgetary needs for your generator auxiliary upgrade. E/One's team of utility product specialists and engineers work closely with plant I&C, engineers and operations and maintenance staff to deliver the right solution for your plant.

## FLEXIBLE & MODULAR SOLUTIONS

GAS STATION combines the best monitoring and control system technologies in a "plug and play" modular solution. E/One's vast library of modules and configurable design platforms ensure the shortest possible lead times and maximum design flexibility for meeting your upgrade needs. GAS STATION modules available: main gas supply manifold; gas purity monitoring; generator overheat monitoring; dew point monitoring; seal oil system monitoring and control; stator water monitoring and control; as well as customized annunciator panels.

## DESIGNED FOR HAZARDOUS AREA

Safety is the top priority for all plant operators and is the GAS STATION's foundation. E/One ensures that designs meet or exceed all applicable national and international compliance standards, including ATEX, IECEx, CSA, cETLus, UL, or GOST-R.



# GAS STATION MODULES

**GAS STATION** is a modular approach that combines monitoring and control systems into a single, integrated platform, customized to meet specific site requirements and budget parameters. GAS STATION modules include:



## Generator Gas Analyzer (GGA)

Provides continuous monitoring of hydrogen and purge gases for efficiency and safety.



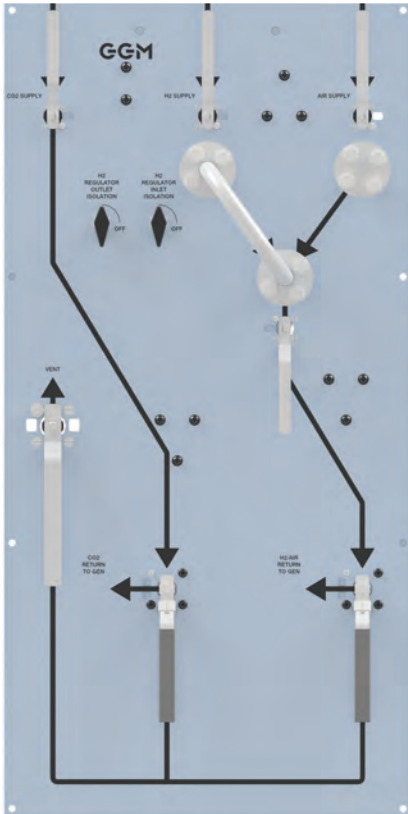
## Generator Condition Monitor (GCM-X)

Provides early warning of generator hotspots, which can lead to catastrophic failure.



## Generator Gas Dryer (GGD)

Removes moisture and contaminants from cooling gas, reducing threats of corrosion and windage losses.



## Generator Gas Manifold (GGM)

Controls critical H<sub>2</sub>, CO<sub>2</sub> and air flow for generator purge operation and regulates H<sub>2</sub> supply to the appropriate machine gas pressure.



## Auxiliary Systems (AUX)

Meets specific custom requirements such as seal oil system monitoring and site specific annunciation.



## Generator Auxiliary System (GAS)

Displays critical gas parameters including supply pressures, case and differential pressure using gages and/or digital display.



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